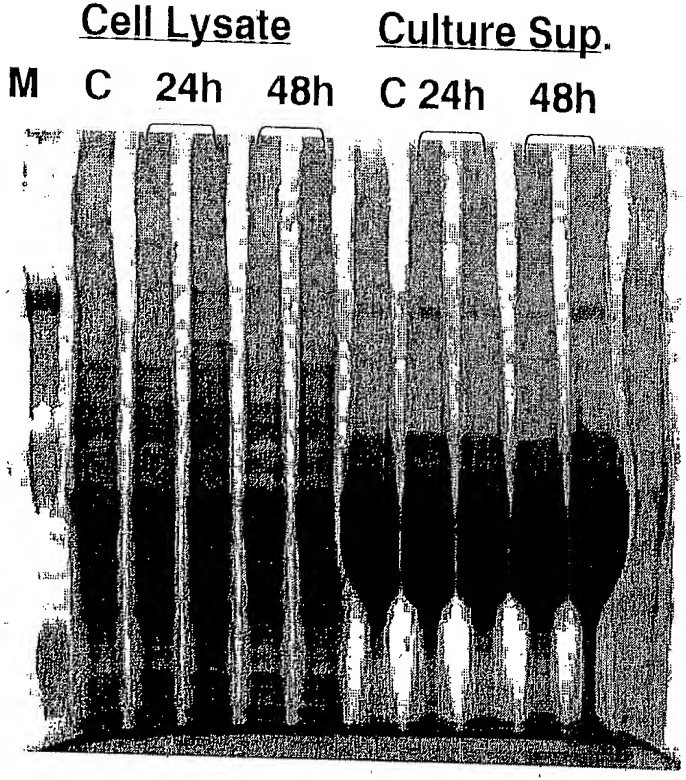
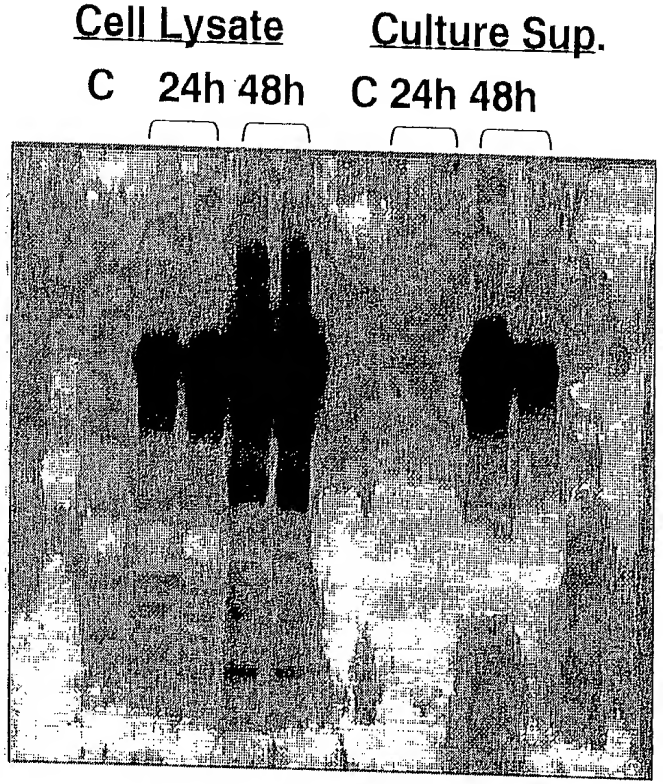
Fig.1 Expression of SREBP2 in Sf9 cells

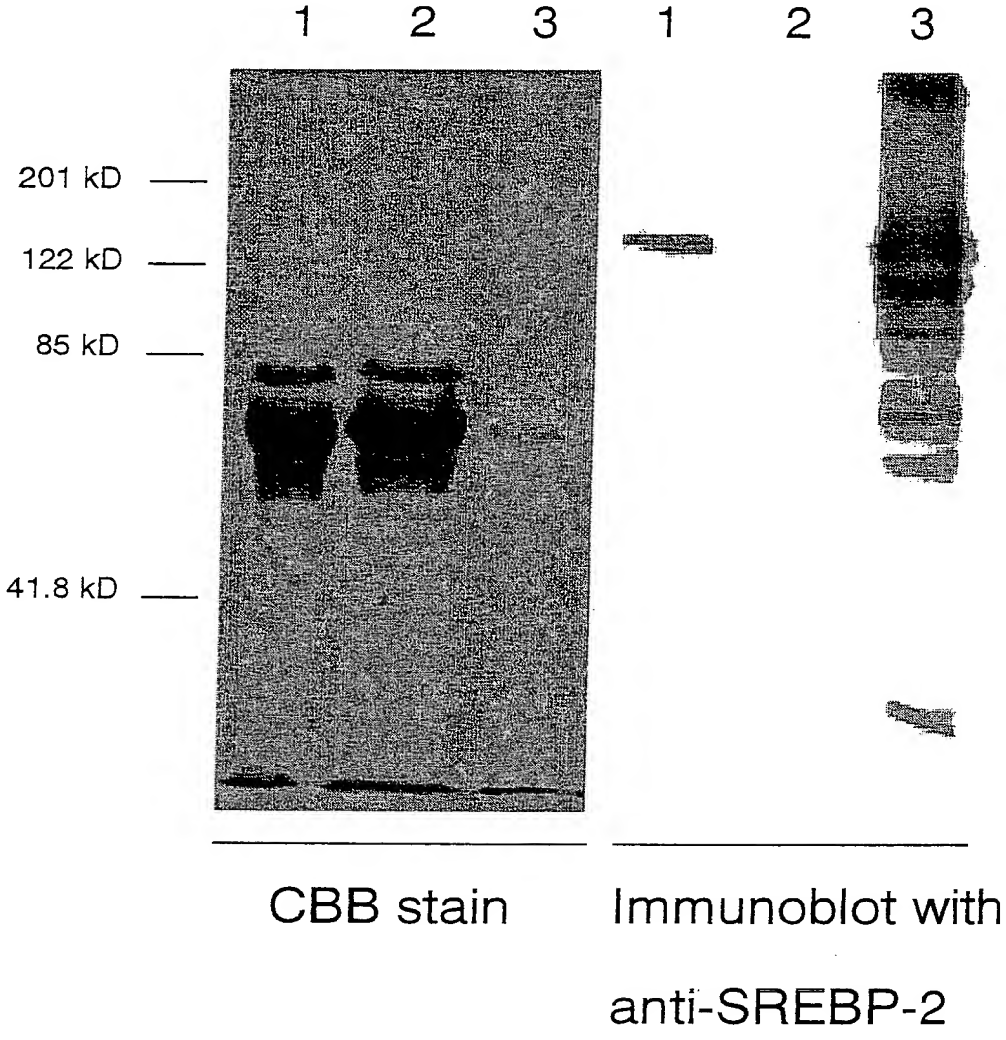


CBB staining



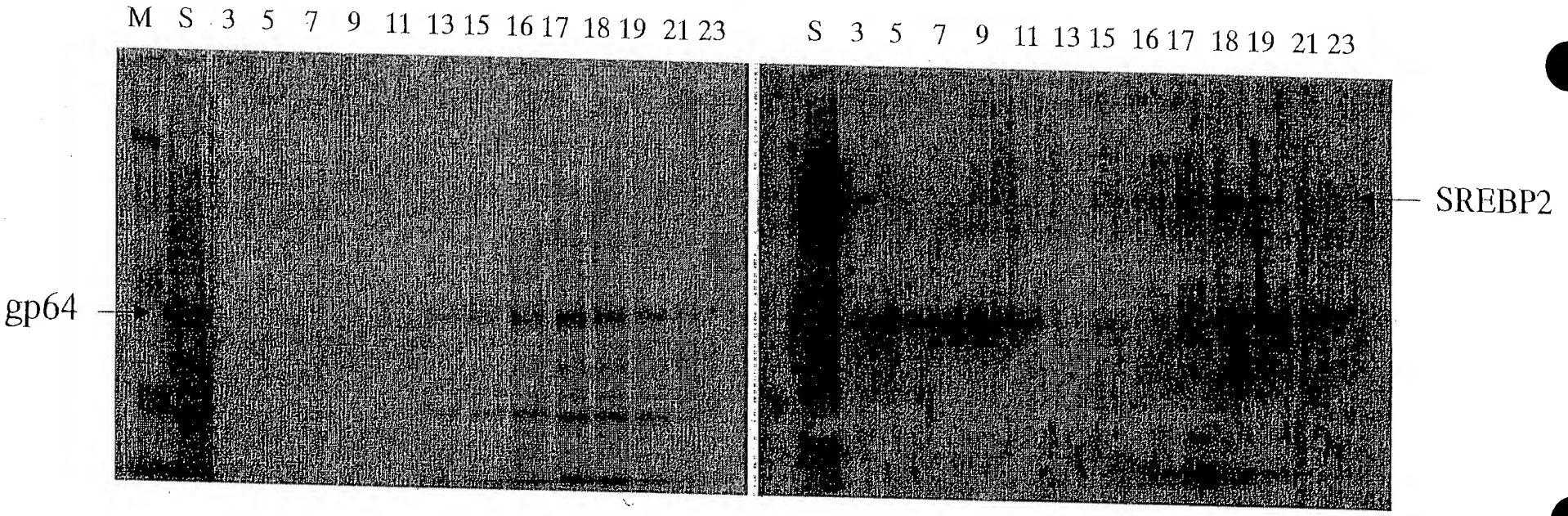
Immunoblot staining
with anti-SREBP2

Fig.2 Centrifugation separation of SREBP2 expressed in culture supernatant



Lane 1 800g 10min Supernatant
Lane 2 40000g 20min Supernatant
Lane 3 40000g 20min pellet

Fig.3 Density gradient centrifugation of 40000g pellet



M : Marker S : Pellet

3～23 : 25～56 %sucrose gradient fraction (27krpm 90min)

Fig.4 Solubilization and Purification of SREBP from Budded virus

Immunoblot with anti-SREBP
Lane 1: Solubilized SREBP
Lane 2, 3: Affinity column pass through
Lane 4, 5: 10M urea eluate from affinity column
Lane 6: PD10 gel filtration

Fig.5 Preparation of mouse anti - serum

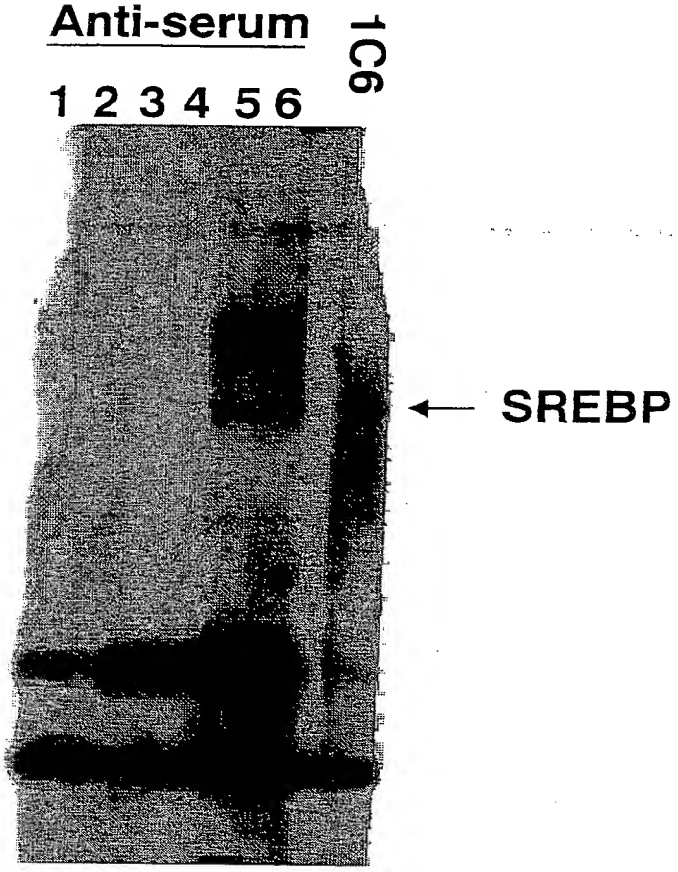
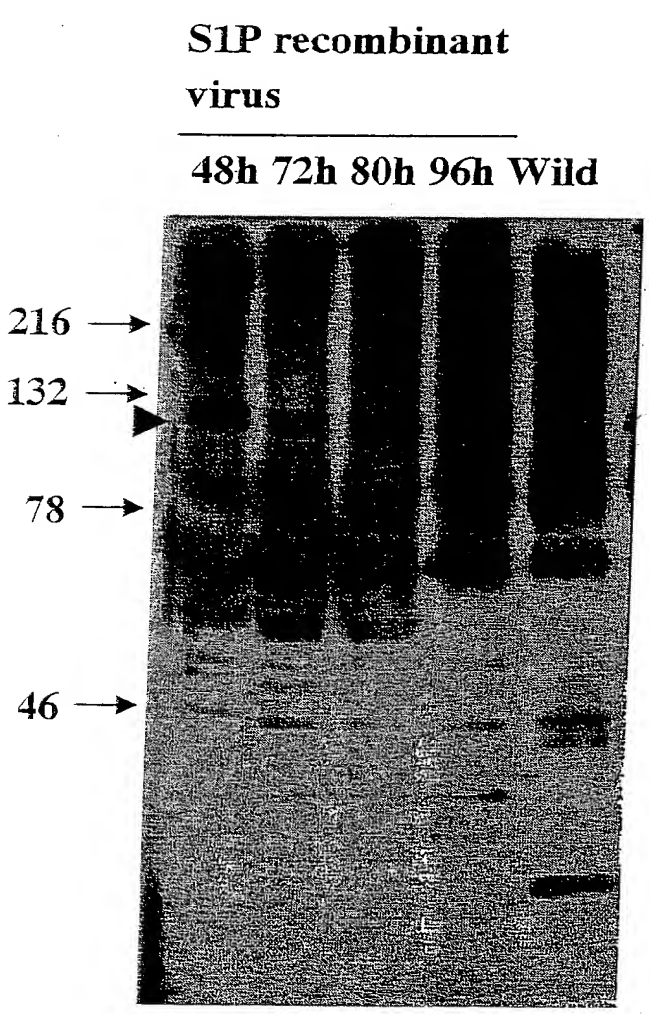


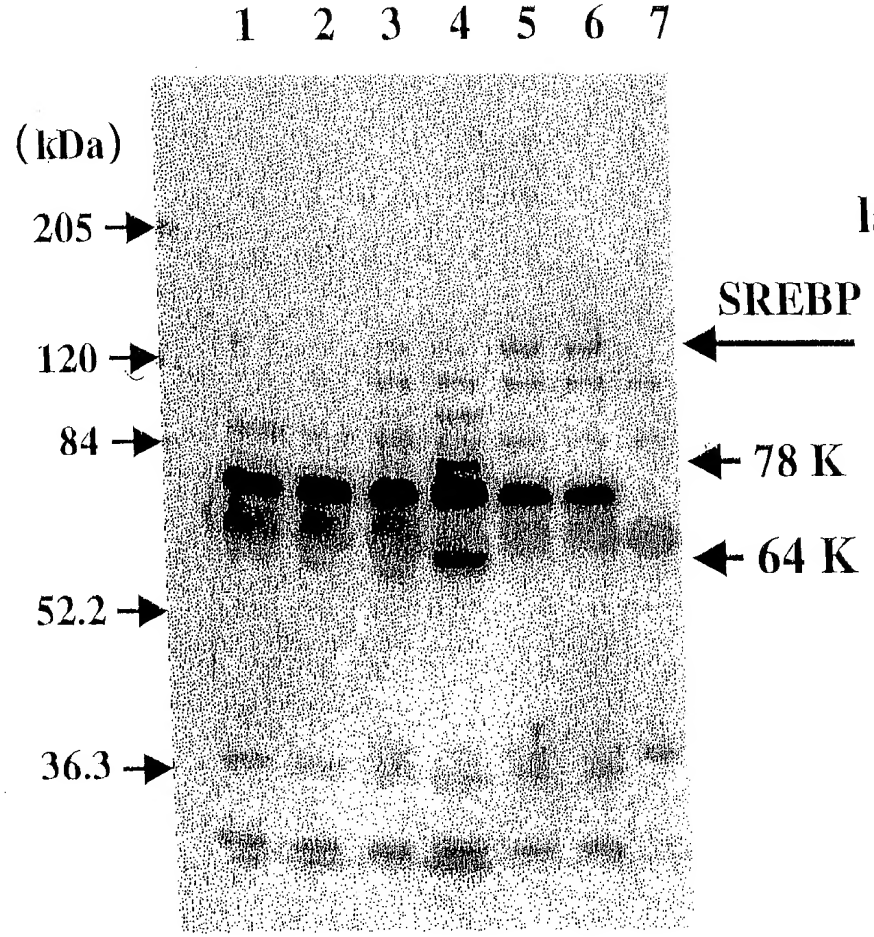
Fig.6 Expression of S1P in Budded virus



Immunoblot with anti-S1P serum.
Arrow head; S1P

Fig.7 **Cleavage of SREBP on BV by S1P on BV**

Immunoblot analysis with R004 (anti- N-terminal Domain of SREBP)

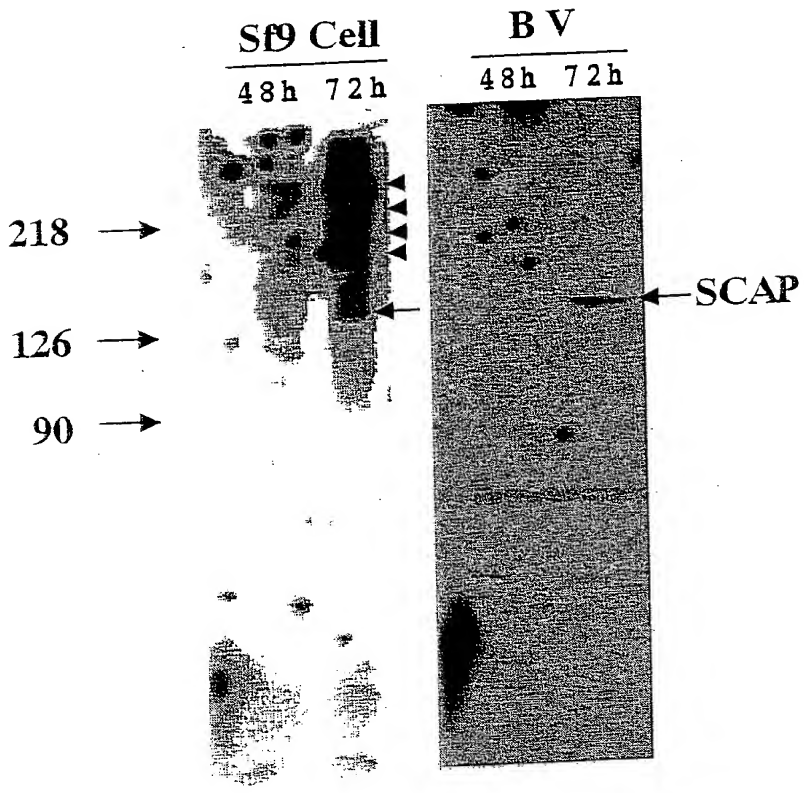


8% SDS-PAGE

lane 1 : SREBP (preincubation)
2 : SREBP
3 : SREBP + S1P
4 : SREBP + S1P + 5 mM Ca
5 : SREBP + S1P + 10 mM EGTA
6 : SREBP + S1P + 10 mM EDTA
7 : S1P

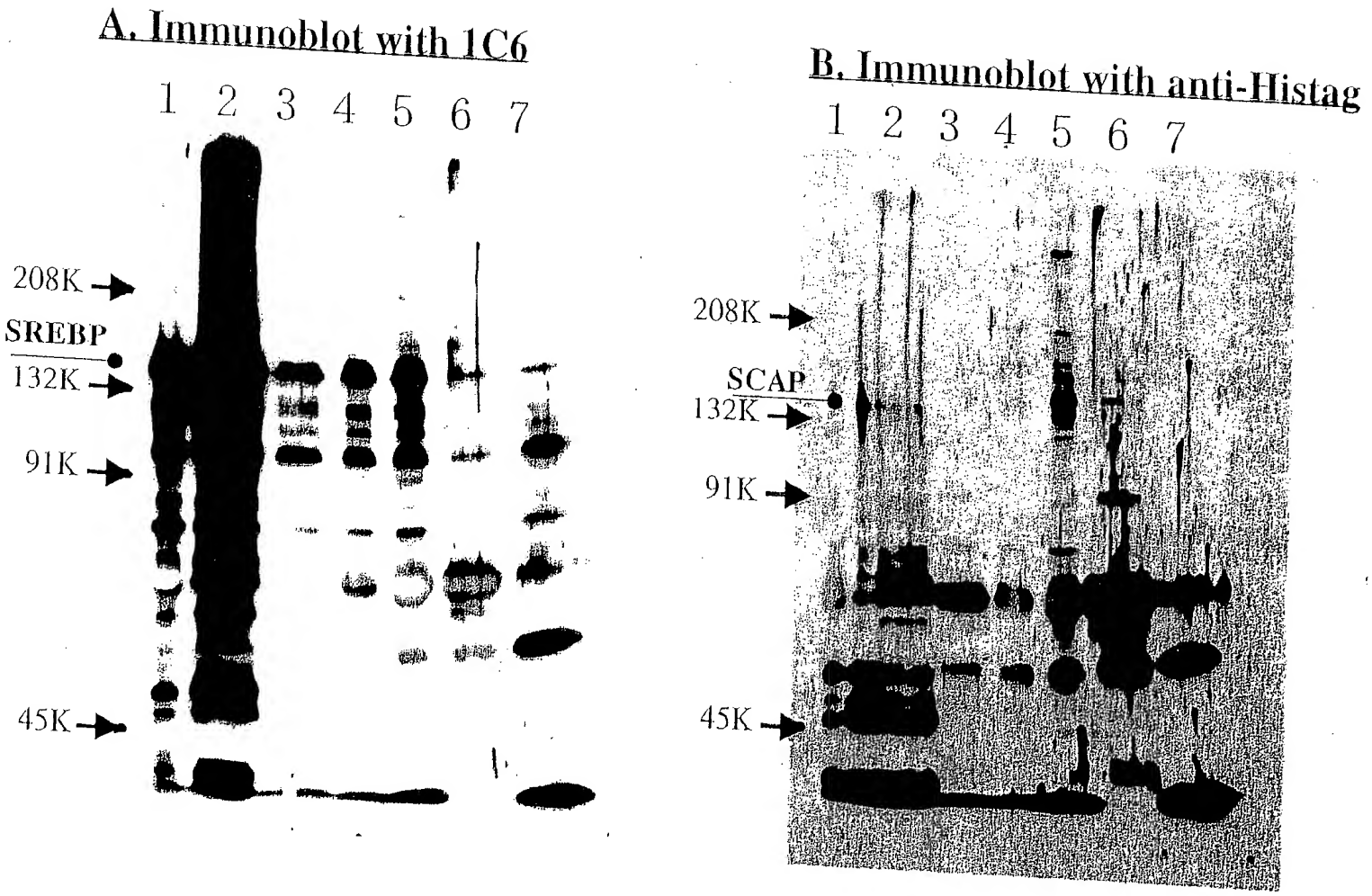
lane 2 - 7: Samples were incubated at 37℃ for 12 hr.

Fig.8 Expression of SCAP in budded virus



Immunoblot with anti-His Tag

Fig.9 Coexpression of SREBP2 and SCAP



Lane1. Budded virus 2. Solubilized pellet 3.Solubilized fraction 4. Ni-NTA immunoprecipitation supernatant
5. 1C6 immunoprecipitaion supernatant 6. Ni-NTA immunoprecipitation pellet
7. 1C6 immunoprecipitation pellet